eSATA II 2-Port ExpressCard Quick Installation Guide

Introducing the *eSATA II 2-Port ExpressCard*

The *eSATA II 2-Port ExpressCard* is an ultra high-speed dual channel Serial ATA Generation 2 controller.

Features and Benefits

- Adds two external (eSATA) ports to your ExpressCard equipped notebook computer for external drive connections
- Supports data transfer speeds up to 3.0Gb/s (300MB/s)
- Supports Native Command Queuing (NCQ) and SATA TCQ commands
- Compliant with Serial ATA 1.0a specification
- Compliant with eSATA (external SATA) connector specifications
- Supports SATA hard disk hot-plugging
- Breaks the 137GB barrier! Works with various brands of large capacity Serial ATA hard disks

System Requirements

- PC or Mac notebook with an available ExpressCard slot
- Windows® 2000 / XP (32-/64-bit) / Server 2003 & 2008 (32-/64-bit) / Vista (32-/64-bit)
- Mac OS® X v10.4.9 - v10.5.6

Package Contents

- *eSATA II 2-Port ExpressCard*
- Driver CD
- Quick Installation Guide

Layout

Figure 1: eSATA II 2-port ExpressCard

Hardware Installation

General instructions for installing the ExpresscCard are provided. Since the design of systems may vary, refer to your system reference manual for further information, if needed.

Insert the card into the ExpressCard slot of your system. Make sure it is inserted all the way in for a solid connection.

When connecting / disconnecting SATA devices, hold the *eSATA II 2-Port ExpressCard* so it does not move from side to side, otherwise it may eject from the slot or lose connection with the operating system.

Windows Driver Installation

This section provides instructions to install the *eSATA II 2-Port ExpressCard* drivers.

Windows 2000

1. Install the ExpressCard into an ExpressCard slot.
2. At the **Found New Hardware Wizard**, click **Next**.
3. Select **Search for a suitable driver for my device (recommended)** and click **Next**.
4. Insert the driver CD, check **CD-ROM drives**, uncheck the other boxes, and click **Next**. Click **Next** again.
5. Click **Finish** then restart Windows to complete the driver installation.

Windows XP / Server 2003 (32-bit)

1. Install the ExpressCard into an ExpressCard slot.
2. At the **Found New Hardware Wizard**:

   XP (w/SP1 or earlier) / Server 2003: continue to step #3

   XP (w/SP2 or later) / Server 2003 (w/ SP1 or later): select **No, not this time**, then click **Next**.
3. Insert the driver CD, select **Install the software automatically (Recommended)**, click **Next**, then click **Next** again.
4. Click **Finish**, then restart Windows to complete the driver installation.

Windows XP / Server 2003 (64-bit)

1. Install the ExpressCard into an ExpressCard slot.
2. At the **Found New Hardware Wizard**, select **No, not this time**, then click **Next**

3. Insert the driver CD, select **Install the software automatically (Recommended)**, click **Next**, then click **Next** again.
4. Click **Finish** then restart Windows to complete the driver installation.

Windows Vista™ (32-/64-bit)

1. Install the ExpressCard into an ExpressCard slot.
2. At the **Found New Hardware** window, click **Locate and install driver software (recommended)**, click **Continue**.
3. At the next window, insert the driver CD andVista will automatically detect and install the correct driver.
4. At the successfull installed window, click **Close** then restart Windows to complete the driver installation.

Windows Server 2008 (32-/64-bit)

1. Install the board and boot up Windows.
2. At the **Found New Hardware** window, select **Locate and install driver software (Recommended)**, then click **Don't Search Online**.
3. Insert the driver CD and Windows will search the CD and install the correct driver.
4. At **Windows has finished installing the driver software for this device**, click **Close** to complete the installation.

To Verify Windows Installation

1. Use Device Manager to verify proper installation.
   For Windows 2000 / XP / Server 2003: Right click **My Computer,** click **Manage**, click **Device Manager**.

For Windows Vista: Right click **Computer,** click **Manage**, click **Continue**. Click **Device Manager**.

For Windows Server 2008: Right click **Computer** and click **Manage**. Double click **Diagnostics**, click **Device Manager**.

2. Double click either **SCSI and RAID controllers** or **Storage controllers**, and **Silicon Image SiI 3132... Controller** should be displayed.

Windows Device Connection

External Devices

External Serial ATA devices should come with their own accessories. In most cases, you just need to power up the external device and connect it to the external port. For more information, please refer to the external device's manual.

Connecting Hard Disk Drives

When connecting a hard disk drive, hold the *eSATA II 2-Port ExpressCard* so it does not move from side to side, otherwise, the ExpressCard may eject from the slot.

Hot-Plugging Hard Disk Drives

Follow these instructions to remove a hard drive from a powered up system, not following these instructions may corrupt or destroy data or cause system crashes.

1. Right click **My Computer** and click **Manage**. (For Windows Vista operating system, click **Continue**).
2. Select **Device Manager**.
3. Double click **Disk Drives**, right click the hard disk and select **Disable**. (Select **Enable** for a previously disabled hard drive)

4. You can now unplug the hard disk.

> **Note**: When reconnecting a **Disabled** hard disk, it must be **enabled**, otherwise, it will not work properly in Windows. To enable the hard disk, follow steps 1-3. At step #3, select **Enable**.

Assigning a Drive Letter in Windows

Windows may not assign a drive letter to a hard drive enclosure that was partitioned and formatted in a different computer. If this happens when you connect your enclosure, follow the directions below to assign it a drive letter. The steps, written from Windows Server 2003, are similar in all Windows versions.

1. Right click **My Computer**, click **Manage**, click **Disk Management**. In this window look for a **Healthy** disk without a name and drive letter assigned to it, See **Figure 2** below.

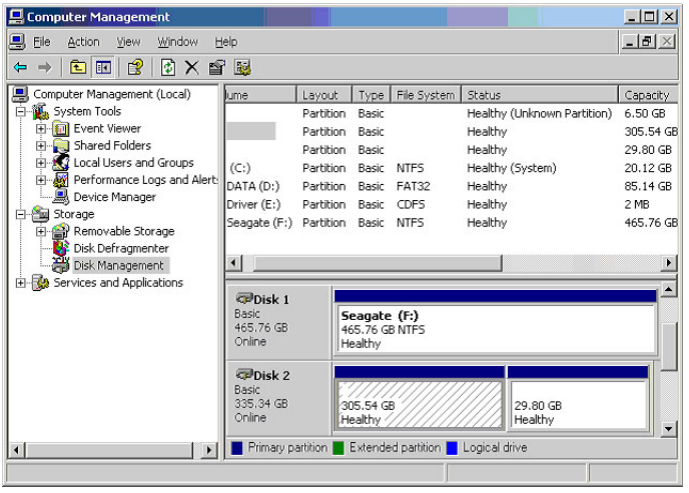

Figure 2

2. Right click on the **Healthy** disk, that does not have a drive letter, then click on **Change Drive Letter and Paths**. See **Figure 3** below.

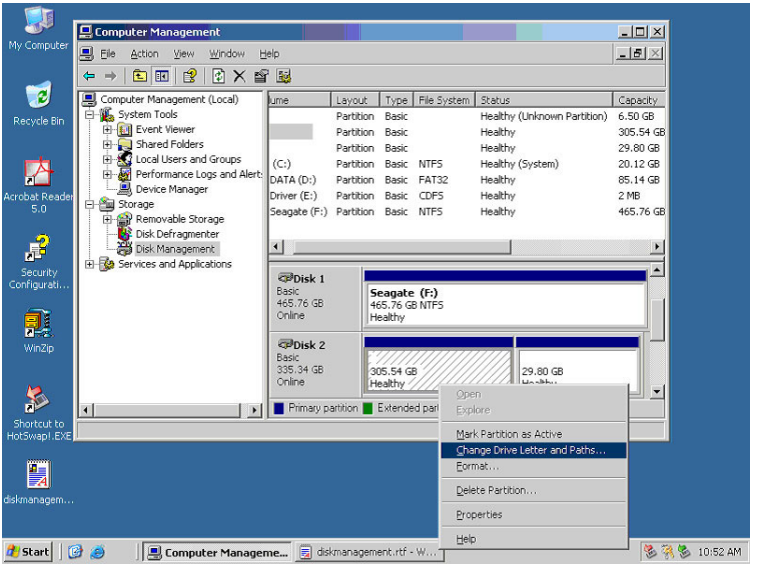

Figure 3

3. At Change Drive Letters and Paths box, click **Add**.

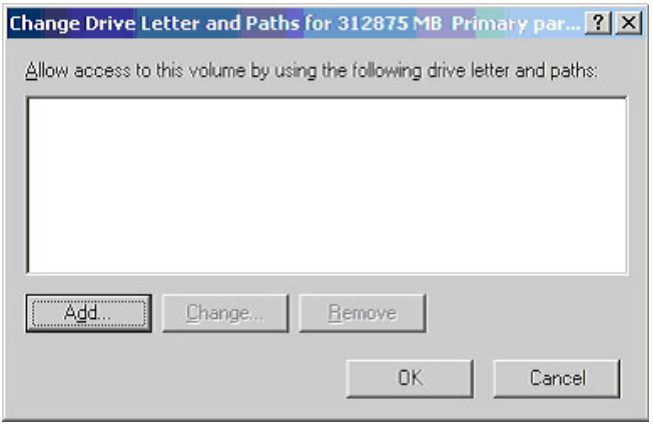
Change Drive Letter and Paths for 312875 MB Primary par...
Allow access to this volume by using the following drive letter and paths:
Add...
Change...
Remove
OK
Cancel

Figure 4

4. At Add Drive Letter or Path box, select **Assign the following drive letter**, choose an available drive letter from the drop down box, then click **OK**.

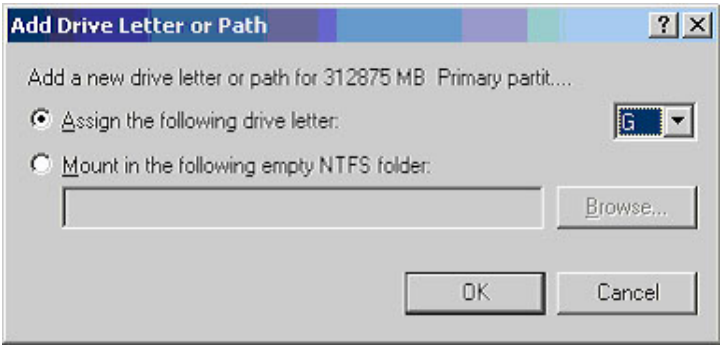
Add Drive Letter or Path
Add a new drive letter or path for 312875 MB Primary partit....
Assign the following drive letter:
G
Mount in the following empty NTFS folder:
Browse...
OK
Cancel

Figure 5

5. A drive letter should be assigned to the **Healthy** drive. Repeat these steps if no drive letter appears.

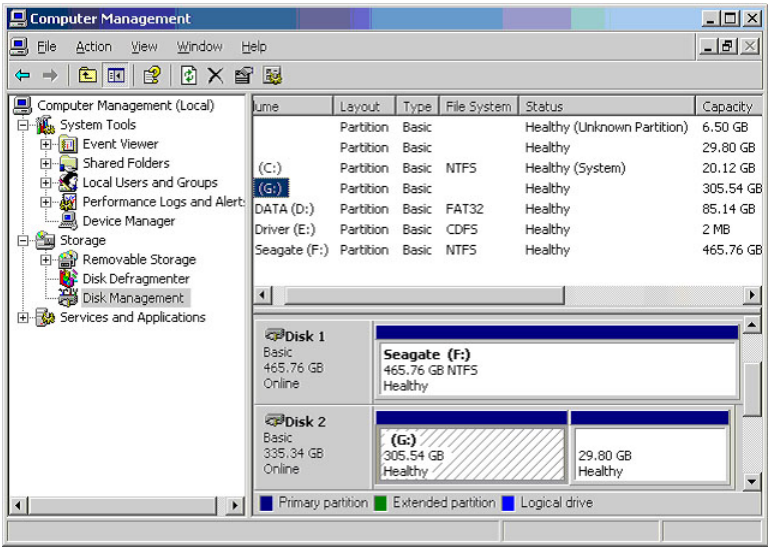

Figure 6

Safely Remove Hardware (Windows only)

Use Windows **Safely Remove Hardware** utility to stop the ExpressCard before removing it from the ExpressCard slot. Not doing so may corrupt or destroy your data.

Windows 2000 / XP / Server 2003 & 2008

1. The utility is in the taskbar by the system clock.

   For Windows 2000: Click the **Unplug or Eject Hardware** icon.

   For Windows XP / Server 2003 & 2008: Click the **Safely Remove Hardware** icon.
2. Click **Safely Remove Silicon Image SiI 3132 SATALink Controller**.
3. Wait for the **Safe to Remove Hardware** pop-up box to appear before removing the ExpressCard from the ExpressCard slot.

Windows Vista

The eSATA II ExpressCard will appear in the **Safely Remove Hardware** utility only if it is plugged into the computer before booting up Windows.

1. Click the **Safely Remove Hardware** icon.
2. Click **Safely Remove Silicon Image SiI 3132 SATALink Controller**.
3. At the **Safe To Remove Hardware** box, click **OK**. It is now safe to remove the ExpressCard.

> **Note**: If the ExpressCard does not appear in the **Safely Remove Hardware** utility, the connected hard drive(s) must first be disabled before removing the ExpressCard from the slot. Not doing so may corrupt or destroy your data. See **Hot Plugging Hard Disk Drives** on page **5** for more information.

Mac OS Driver Installation

This section provides information on how to install the *eSATA II 2-Port ExpressCard* drivers.

1. Insert driver CD. At the desktop double click **Driver** icon.
2. Double click **Mac** folder.
3. Double click **Sil3132_1.1.9u_Si1_Pkg.pkg**.
4. Click **Continue**, **Continue**, **Continue,** then **Agree**.
5. In **OS 10.5**, click **Change Install Location**. Otherwise, please continue with step #6.
6. Select the destination drive, click **Continue,** then click **Install**.
7. At **Authenticate**, if there's a password enter it now, then **OK**. Otherwise, just click **OK**.
8. At the successful install screen, click **Close**.
9. Restart Mac OS to complete the installation. When Mac OS resumes, insert the expresscard at any time.

To Verify Mac Installation

1. At the Desktop, click **Go,** then click **Utilities**.
2. Double click **System Profiler**.
3. Under **Hardware**, click **PCI Cards**.
4. On the right side of the screen, **ExpressCard** and **Subsystem ID: 0x3132**, along with other data should be displayed.

Mac OS Hot-swapping Hard Disk Drives

1. Click and drag the drive icon into the **Trashcan**.
2. You can now safely unplug the hard disk drive.

Technical Support and Warranty

QUESTIONS? SIIG's **Online Support** has answers! Simply visit our web site at ***www.siig.com*** and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analysts will promptly respond.

SIIG offers a lifetime manufacturer warranty with this product. Please see our web site for more warranty details. If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased from.

B) If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

Step 1: Submit your RMA request.

Go to **www.siig.com**, click **Support**, then **RMA** to submit a request to SIIG RMA. If the product is determined to be defective, an RMA number will be issued.

Step 2: After obtaining an RMA number, ship the product.

- Properly pack the product for shipping. All software, cable(s) and any other accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping. Ship the product to the following address:

  SIIG, Inc.
  6078 Stewart Avenue
  Fremont, CA 94538-3152, USA
  RMA#: _____

- SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

About SIIG, Inc.

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SIIG products offer comprehensive user manuals, many user-friendly features, and are backed by an extensive manufacturer warranty. High-quality control standards are evident by the overall ease of installation and compatibility of our products, as well as one of the lowest defective return rates in the industry. SIIG products can be found in computer retail stores, mail order catalogs, through major distributors, system integrators, and VARs in the Americas and the UK, and through e-commerce sites.

PRODUCT NAME
eSATA II 2-Port ExpressCard

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

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Fremont, CA 94538-3152, USA

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